

## **2005 Priestler Poster Presentation Descriptions**

### **Poison Prevention Community Action Kit**

Kristin Marsteller, Senior Program Manager, National Safety Council

Under a cooperative agreement with Environmental Protection Agency (EPA), the National Safety Council has developed a community action kit for poison prevention. The target audience for the kit is various segments of the community, including parents, teachers, children, community service groups, and special clubs, such as garden or kennel clubs. The purpose of the kit is to raise awareness about the preventable poisonings caused by the improper use and storage of household chemicals and pesticides. This session targeted community health educators and outreach workers. Participants received a copy of the kit, in both hard copy and electronically on a CD-ROM.

### **Healthy Homes Partnership**

Joseph L. Wysocki, National Program Leader, Housing and Environment, CSREES/USDA, Families, 4-H, and Nutrition

The Healthy Homes Initiative is a partnership between CSREES and the U.S. Department of Housing and Urban Development that addresses housing-based health and safety risks. It develops a series of materials to educate families on home health hazards and simple steps to prevent them. The University of Wisconsin provides national initiative coordination and facilitates networking among the federal agencies, state coordinators (generally extension housing and family living specialists), and educators involved in healthy home programming. Poster and materials was shared to familiarize conference attendees with the growing body of materials developed by the program (booklet, brochures, interactive web-based tools, etc.)

### **Reducing Farmers' Risk for Hearing Loss**

M. Susan Jones, Associate Professor, Nursing, Western Kentucky University and Donna Gates, Associate Professor, University of Cincinnati

This presentation described and reported the results of a pilot study designed to test the effectiveness of an intervention to increase farm worker's use of hearing protection when performing activities with high noise exposure.

### **Partnerships and Programs for Radon Education**

Laura B. Booth, Extension Associate, Environmental Programs, Alabama Cooperative Extension System

Since 1997, the Alabama Cooperative Extension System (ACES) has partnered with the Alabama Department of Public Health to implement an outreach education program on radon. EPA Region 4 provides funding for this partnership. The audience for this program includes the general public, real estate industry, local government officials, 4-H and youth, health professionals, and the radon supply industry. This session highlighted innovative educational materials and partnerships developed to deliver outreach education and measure impacts of the Alabama Radon Education Program.

### **Occupational Musculoskeletal Injuries Among Agriculture Workers**

David L. Douphrate, PhD Student, Colorado State University, Department of Environmental and Radiological Health Sciences

This research project involves the determination of the most prevalent occupational injuries, the attributed causes, and the associated medical costs among agriculture workers in Colorado. The research target audience includes those involved in the agriculture industry, health care

professionals, workers compensation insurance professionals, and academic professionals. The session target audience included agriculture professionals and occupational health professionals.

### **Understanding the Agricultural Health Study**

Julia F. Storm, Agromedicine Information Specialist, W. Gregory Cope, North Carolina State University, and Wayne G. Buhler, North Carolina State University; Katherine McGinnis, Eastern Area Health Education Center

The Agricultural Health Study is a study of more than 89,000 farmers and their spouses in North Carolina and Iowa and commercial pesticide applicators in Iowa. The study is being conducted by the National Cancer Institute, the National Institute of Environmental Health Sciences and the EPA. Since 1993, it has collected information from participants about their farm work exposures, lifestyle and diet, and medical history. The scientists are following the group over time by linking to health databases to determine the diseases that develop and the risk factors that may contribute to these diseases. Scientists have published more than 30 scientific papers. Educational resources based on these research findings have been developed in a variety of formats for use by extension educators to communicate the study's findings to rural community members. Educational resources and evaluation results were shared.

### **Effectiveness of Engineering Controls to Reduce Occupational Noise Exposure to Sawmill Workers**

Kyle W. Johnson, Visiting Extension Clinical Instructor, West Virginia Safety and Health Extension

A field-level research project was conducted by West Virginia University (WVU) to perform baseline monitoring for sawmills and evaluation. WVU provided general written recommendations and technical assistance to sawmills participating in the research project. The target audience for this research project is occupational safety and health professionals, industry leaders, and governmental research and regulatory agencies. The session target audience included occupational health, public health, and economic development professionals. Information was shared through a PowerPoint presentation including background information and collected data results.

### **The Alabama Farm Safety Education Program**

Jesse LaPrade, The Alabama Cooperative Extension System, Auburn University

The Alabama Farm Safety Education Program focused on increasing tractor safety and awareness and reducing injuries and fatalities, providing farm safety education for youth including safety day camps and training materials provided for farm families on ways to reduce farm injuries. Session participants that provide safety training benefited from the programs and literature developed or modified addressing farm safety education for Alabama farm families. An outline of the training program was provided as a poster and components of the program will be studied from the Alabama Cooperative Extension System Web site.

### **Predictive Input Parameters for Enteric Virus presence at the inlet of a Potable Water Supply**

Samantha J. Freistas, PH student, Research Assistant, University of Kentucky, College of Public Health, and Gail Montgomery Brion, Associate Professor of Environmental Engineering and Health Department of Civil Engineering & College of Public Health, University of Kentucky, Environmental Research and Training Laboratory (ERTL), Director

We collect and analyze water from the Kentucky River using the EPA Information Collection Rule (ICR) to detect the presence of enteric viruses. Virus assay and quantification are done by Cell-culture and Most Probable Number methods respectively. However this process is long and

expensive. Therefore using statistical tools we are trying to determine if some other relatively easily measurable variables could act as predictors of enteric virus presence. Information was beneficial to researchers (water-related, virologists, etc), water-quality specialists, policy makers, etc.

### **Pests and Pesticides**

Gina Peek, Housing Program Assistant, The University of Georgia, College of Family & Consumer Sciences, Cooperative Extension Service, Housing Program Assistant

The University of Georgia Cooperative Extension Service created a series of English and Spanish pests and pesticides brochures, known as the Pests and Pesticides series, as follows:

- Help! Ants are everywhere!
- Help! Fleas are biting my pet!
- Help! Flies are in my house!
- Help! I think I need to use pesticides!
- Help! Insects are in my food!
- Help! Mosquitoes are biting my baby! and
- Help! Roaches are in my house!

The brochures are available in printed and PowerPoint format, and may be used and/or distributed during Healthy Homes and other applicable programming.

### **Livestock Handling Techniques for Agricultural Workers with Mobility Impairments**

Kathy Sheppard-Jones, Training Coordinator, Kentucky AgrAbility, John Hancock, Project Director, Kentucky AgrAbility, Barney Fleming, Rehabilitation Engineer, Interdisciplinary Human Development Institute, University of Kentucky

Agriculture is a traditionally dangerous occupation. A myriad of hazards exist on the farm, including the livestock. Appropriate livestock handling techniques are essential for the safety of agriculture workers and animals alike. Individuals with mobility impairments are not precluded from livestock handling. Success can be maximized by conducting a functional assessment of the person and the agricultural operation. Appropriate rehabilitation technology or compensatory strategies can then be recommended and referred as needed.

### **Evaluating the Impact of Health Column Articles on Readers Health Behaviors and Attitudes**

Youmasu Siewe, State Health Specialist, Oklahoma State University, Oklahoma Cooperative Extension Service

The known benefits of health promotion and disease prevention initiatives in improving individual and community health outcomes have been reported in several studies. This makes empowering individuals to make informed decisions about disease prevention and disease management through a multipurpose print media to be one of the most valuable but least used tools by cooperative extension health professionals. This evaluation project was done to determine readers' knowledge and attitude about a bi-weekly extension and community health column articles published in a local daily newspaper. The target audience was the general public, who subscribed to, or bought the daily paper. The information shared included interesting outcomes of this evaluation and learned strategies to successfully conducting similar programming in other communities or states.

### **Environmental Needs Assessment for Prevention of Obesity and Reduction of Breast Cancer Risk in a Rural Area: A Project Study to Build Capacity**

Barbour S. Warren, Cornell University

This poster describes an environmentally based project to increase the capacity of rural communities to prevent obesity and reduce breast cancer. The basis of the approach and the results of the assessment phase were presented. This program addresses rural communities and was conducted in a northeastern rural community where the level of overweight and obesity exceeds 60 percent. Health extension educators with an interest in cancer, obesity, and environmentally-based health interventions found this oral presentation helpful.

### **Teens Serving Food Safety**

Julie Garden-Robinson, Assistant Professor/ Food and Nutrition, and Sandra Rather, Project Coordinator, North Dakota State University (NDSU) Extension Service

Teens Serving Food Safely is a statewide food safety education effort of the NDSU Extension Service to improve food handling practices among teenagers enrolled in nutrition, family and consumer science classes and 4-H related programs. More than 100 educators including family and consumer science teachers and extension agents participated in training and received a copy of the curriculum. More than 1,000 youth participated in the pilot-tested five lesson curriculum based on national food safety campaigns. This food safety education program was of interest to educators working with youth.

### **3-A-Day of Dairy for Stronger Bones**

Julie Garden-Robinson, Assistant Professor/ Food and Nutrition, and Sandra Rather, Project Coordinator, North Dakota State University Extension Service

According to the USDA 70 percent of preteen girls and 60 percent of preteen boys do not meet current daily calcium recommendations for optimal bone health. This school-based approach targeted pre-teens and their parents with the “3-A-Day of Dairy” message. Youth increased knowledge and made behavior changes. This session was designed for professionals doing nutrition programming with youth. The session covered implementation, programming ideas and evaluation results.

### **Folic Acid Now: Moving the Message Across the State**

Moving the Message Across the State Julie Garden-Robinson, Assistant Professor/ Food and Nutrition, North Dakota State University Extension Service

Folic acid has been shown to prevent birth defects when an adequate amount (400 micrograms) is consumed prior to and in early pregnancy. The objective of this multifaceted educational intervention was to increase knowledge/awareness of the role of folic acid in preventing birth defects. Materials from the March of Dimes “Ready or Not” campaign developed by the CDC was used/adapted to target women of childbearing age. Results of national and state awareness/behavior results were presented.

### **Brown Bag Medicine Review—You and Your Medications**

Marcia Jess, County Extension Educator, Family & Consumer Sciences, Ohio State University Extension; Doris I. Herringshaw, County Extension Educator, Family & Consumer Sciences, Ohio State University Extension

Brown Bag Medicine Review is a collaborative effort between university pharmacy students and Ohio State University extension educators. A short 20-minute presentation on “You and Your Medications” is followed by private counseling sessions with a pharmacy student and a local pharmacist. Extension educators assist with setting up community programs to reach older adults and others taking numerous medications or with questions regarding their medications. Local hospitals, parish nurses and senior housing communities have hosted the Brown Bag Reviews. Evaluation data were shared to show the impact of this collaborative program.

### **Kentucky Homeplace**

Fran Feltner, Director, Lay Health Workers Division, University of Kentucky Center for Rural Health

Kentucky Homeplace was developed by the University of Kentucky Center for Rural Health as an innovative access program using enterprising lay people to link medically underserved clients to available health and social services. Lay workers are from the communities they serve and have a special ability to communicate with clients. Workers show clients how to be resolute in improving health behavior, proactive in use of preventive care and appropriate in use of services when ill. This session was especially interesting for health professionals and those involved in assisting the indigent.

#### **Flaxseed: Agriculture to Health**

Jane U. Edwards, Extension Specialist, Nutrition & Health, North Dakota State University

The "Agriculture to Health" theme provides the basis for an adult awareness program which promotes the research based health benefits of regional foods produced in North Dakota and the northern plains within the context of a healthy food pattern suggested by the Food Guide Pyramid. Flaxseed was featured for the first lesson of the "Agriculture to Health" series. Increased awareness, knowledge, and intent to add flaxseed to the diet was evidenced by a pre/post evaluation of the lesson. The format was a poster session for extension personnel.

#### **Clinical Trials Education Begins with You**

Sona Thakkar, Public Health Consultant, National Cancer Institute/ Office of Education and Special Initiatives; Laura Boyle, Technical Writer/Editor, National Cancer Institute/ Office of Education and Special Initiatives

The National Cancer Institute (NCI) presented a poster on the value of clinical trials, as well as provide information about NCI's new Clinical Trials Education Series (CTES). The series is a complete collection of print and Web-based resources to educate cancer patients, health care professionals, advocates, and the general public about cancer prevention and treatment clinical trials. The series is complemented by a set of promotional resources for use in outreach efforts. NCI hopes to spread the word about the series to patients, colleagues, and the community.

#### **Flexible Programming – Integrating Obesity Strategies**

Elaine Bowen, Extension Specialist-Health Promotion, West Virginia University Extension Service; Miriam Leatherman, Extension Agent, West Virginia University Extension Service; Emily Murphy, Extension Specialist-CARDIAC, West Virginia University Extension Service

Call it multitasking, dovetailing, flexibility, sneaking it in, or just plain working smarter! Every extension educator can get important health messages across, regardless of their audience (youth, teens, volunteers, child care providers, farmers, families, etc.) or topic (agriculture, leadership, parenting, etc.). The poster exhibit features creative application of obesity prevention messages via games, high-quality resources, and physically active ways to engage a variety of audiences.

#### **Extension's Role in Developing Choice Food Pantries**

Dan Remley, Family and Consumer Sciences/Community Development Educator; Ohio State University Extension; Toni Gallagher, Family Nutrition Program Assistant, Ohio State University Extension

Extension can play a keyrole in developing 'choice' food pantries. Choice food pantries differ from traditional pantries in that they allow participants to choose food items based on preference and need rather than have food "handed" to them in a box or bag. Extension programs can help choice pantry clients make healthy choices and improve budgeting skills in order to foster self-reliance. Extension educators can also play a role in developing a "points" system to allow choice

based on nutrition and budgeting principals. This poster session was intended for extension professionals in Consumer and Family Sciences and Community Development.

### **Safety Hazards to Workers Installing Modular Homes**

Brandon C. Takacs, Visiting Assistant Professor, West Virginia University Safety and Health Extension

Safety Hazards to Workers Installing Modular Homes represents a new area of occupational research. The poster illustrated West Virginia University Safety and Health Extensions' identification of this research topic, finding a funding source, and continuance of funding that has come about. By interacting with new companies and industries and applying basic safety and health principles, a need was identified. The results of this research has interested research and regulatory agencies while addressing safety and health concerns for workers

### **Agricultural Research and Family Practice – Partnering for a Healthier and Safer Community**

Debbie Claunch, Research Associate, University of Kentucky College of Nursing; Deborah B. Reed, Associate Professor, University of Kentucky College of Nursing

An office-based farm injury/illness prevention program that can be delivered by staff in a rural family practice setting without adding time or financial burden on staff or clients. Poster describing design of program and mechanisms used to infuse farm health and safety into one practice's regular protocol.

### **Farmers Markets: A Rural Response to Create Healthy People with a Healthy Economy**

Carole Rison, Extension Agent, Family and Consumer Sciences, University of Kentucky; Peggy Powell, Extension Agent, Family and Consumer Sciences, University of Kentucky, College of Agriculture

Extension agents for Family and Consumer Sciences in five East Central Kentucky counties through selected projects and evaluation were able to promote healthier lifestyles with fruit and vegetable consumption while enhancing economic well-being with farmers markets. The information presented was appropriate for community educators and those interested in economic development, health and nutrition. The agents shared the process, documents, and results.

### **Reshaping Coles: A Team-Based Community Health Program**

Jim Painter, Department Chair, Family and Consumer Sciences, Eastern Illinois University; Traci Frieling, Certifying Health Professional WIC program.

This poster presentation focused on Reshaping Coles, a health promotion program developed through community Trendbending. Reshaping Coles focused on individuals at five companies in Coles County: Consolidated Communications, Eastern Illinois University, Lakeland College, First Mid Illinois Bank, and Sarah Bush Lincoln Health Center. This community health program was developed to increase activity and fruit and vegetable intake among employees at these five companies. This session targeted health professionals, providing insight into use of a team-based health promotion program with the ultimate goal of decreasing obesity and cancer risk

### **Connecting with Kids: The Kentucky Radon Calendar Contest**

Heather Robbins, Extension Associate for Radon Education and Public Awareness, University of Kentucky and Kentucky Department for Public Health

Radon is a naturally occurring radioactive gas, which is released from rock and soil. It can accumulate inside a home and elevated levels increase the risk of developing lung cancer. In fact, radon is the second leading cause of lung cancer in the United States, second only to smoking. The University of Kentucky and The Kentucky State Radon Coalition is sponsoring a

middle school (ages 9-14) children's calendar contest, which we hope will result in a variety of community and media events, which will increase radon awareness and testing. The winning drawing will be unveiled at an awards ceremony in Frankfort in September 2005 and distributed statewide on a calendar. The calendar contest winner will receive a new computer, and be entered in the U.S. Environmental Protection Agency, and the U.S. Department of Agriculture-Healthy Indoor Air for America's Homes, 2006 National Radon Action Month Poster Contest.